

FIGURE 1

1 aattgtcagc acgggatctg agacttccaa aaaatgaagc cggcgacagg actttgggtc  
 61 tgggtgagcc ttctcgtggc ggcggggacc gtccagccca gcgattctca gtcagtgtgt  
 121 gcaggaacgg agaataaact gagctctctc tctgacctgg aacagcagta ccgagccttg  
 5 181 cgcaagtact atgaaaactg tgagggttgc atgggcaacc tggagataac cagcattgag  
 241 cacaaccggg acctctcctt cctgcggtct gttcgagaag tcacaggcta cgtgttagtg  
 301 gctcttaatc agtttcgtta cctgcctctg gagaatttac gcattattcg tgggacaaaa  
 361 ctttatgagg atcgatatgc cttggcaata tttttaaact acagaaaaga tggaaacttt  
 421 ggacccaag aacttggatt aaagaacttg acagaaatcc taaatggtg agtctatgta  
 10 481 gaccagaaca aattcctttg ttatgcagac accattcatt ggcaagatat tgttcggaac  
 541 ccatggcctt ccaacttgac tcttgtgtca acaaattgta gttcaggatg tggacgttgc  
 601 cataagtcct gtactggccg ttgctgggga cccacagaaa atcattgcca gactttgaca  
 661 aggacggtgt gtgcagaaca atgtgaocgg agatgctacg gaccttacgt cagtgaactgc  
 721 tgccatcgag aatgtgctgg aggtctctca ggacctaaag acacagactg ctttgccctgc  
 15 781 atgaatttca atgacagtgg agcatgtgtt actcagtgtc cccaaacctt tgtctacaat  
 841 ccaaccacct ttcaactgga gcacaatttc aatgcaaagt acacatatgt agtctatgta  
 901 gtcaagaaat gtccacataa ctttgtggta gattccagtt cttgtgtgag tgcctgcctt  
 961 agttccaaga tggaaagtaga agaaaatggg attaaaatgt gtaaaccttg cactgacatt  
 1021 tgcccaaaaag cttgtgatgg cattggcaca ggatcattga tgtcagctca gactgtggat  
 20 1081 tccagtaaca ttgacaaatt cataaactgt accaagatca atgggaattt gatctttota  
 1141 gtcactggta ttcattgggga cctttacaat gcaattgaag ccatagaccc agagaaaactg  
 1201 aacgtctttc ggacagtcag agagataaca ggtttcctga acatacagtc atggccacca  
 1261 aacatgactg acttcagtgt tttttctaac ctggtgacca ttggtggaag agtactctat  
 25 1321 agtggcctgt ccttgcttat otcacagcaa cagggcacac cctctctaca gttccagtc  
 1381 ctgaaagaaa tcagcgagg tcagcgagg aaacatctat attactgaca acagcaacct gtgttattat  
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 1501 aacagaaaag ctgaaaattg tactgctgaa ggaatggtgt gcaaccatct gtgttccagt  
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 1681 tccatctgtg tggagtgtga cccccagtgt gagaagatgg aagatggcct cctcacatgc  
 1741 catggaccgg gtccctgacaa ctgtacaaag tgctctcatt ttaaagatgg cccaaactgt  
 1801 ctgaaagaaa gtccagatgg ctacagggg gcaaacagtt tcattttcaa gtatgctgat  
 1861 ccagatcggg agtgccaccc atgccatcca aactgcaccc aaggggtgaa cggctccact  
 1921 agtcatgact gcatttacta cccatggacg ggccattcca ctttaccaca acatgctaga  
 35 1981 actccctga ttgcagctgg agtaattggg gggctcttca ttctggtcat tgtgggtctg  
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 2161 cttcgtatatt tgaaagaaac tgagctgaag agggtaaaaag tccttggtct cctgtggtt  
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 40 2281 attagatttc ttaatgagac aactgggtccc aaggcaaatg tggagtccat ggtgaagct  
 2341 ctgatcatgg caagtatgga tcatccacac ctagtccggt tgctgggtgt gtgtctgagc  
 2401 ccaaccatcc agctggttac tcaacttatg ccccatggct gectgttgga gtatgtccac  
 2461 gagcacaagg ataacattgg atcacaactg ctgcttaact ggtgtgtcca gatagctaag  
 2521 ggaatgatgt acctggaaga aagacgactc gttcatcggg atttggcagc ccgtaatgtc  
 45 2581 ttagtgaaat ctccaaaaca tgtgaaaatc acagattttg ggctagccag actcttgga  
 2641 ggagatgaaa aagagtacaa tgctgatgga ggaaagatgc caattaaatg gatggctctg  
 2701 gagtgtatac attacaggaa atccacctat cagagtgcg tttggagcta tggagtact  
 2761 atatgggaac tgatgacctt tggaggaaaa cctatgatg gaattccaac gcgagaaatc  
 2821 cctgatttat tagagaaagg agaacgtttg cctcagcctc ccatctgcac tattgaogtt  
 50 2881 tacatggtca tgggtcaaat ttggatgatt gatgctgaca gtagacctaa atttaaggaa  
 2941 ctggctgctg agttttcaag gatggctcga gacctcaaa gatacctagt tattcagggt  
 3001 gatgatcgta tgaagcttcc cagtccaaat gacagcaagt tctttcagaa tctcttggt  
 3061 gaagaggatt tggaaagatat gatggatgct gaggagtact tggccctca ggctttcaac  
 3121 atcccacctc ccatctatac ttccagagca agaattgact cgaataggag tgaattgga  
 55 3181 cacagccctc ctcctgccta caccoccatg tcaggaaaacc agtttgata ccgagatgga  
 3241 ggttttgctg ctgaacaagg agtgtctgtg ccctacagag ccccaactag cacaattcca  
 3301 gaagctcctg tggcacaggg tgctactgct gagatttttg atgactcctg ctgtaatggc  
 3361 accctacgca agccagtggc accccatgtc caagaggaca gtagaccca gaggtacagt  
 3421 gctgacccca ccgtgtttgc cccagaacgg agcccacgag gagagctgga tgagggaagg  
 60 3481 tacatgactc ctatgcgaga caaacccaaa caagaatacc tgaatccagt ggaggagaac

3541	cctttttgttt	ctcggagaaa	aaatggagac	cttcaagcat	tggataatcc	cgaatatcac
3601	aatgcatcca	atgggtccacc	caaggccgag	gatgagtatg	tgaatgagcc	actgtacctc
3661	aacacctttg	ccaacacctt	gggaaaagct	gagtacctga	agaacaacat	actgtcaatg
3721	ccagagaagg	ccaagaaaagc	gtttgacaac	cctgactact	ggaaccacag	cctgccacct
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4021	ctttctctgg	tggctcttct	tctaccccaa	ggccagtagt	tttgacactt	cccagtggaa
4081	gatacagaga	tgcaatgata	gttatgtgct	tacctaactt	gaacattaga	gggaaagact
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4201	agaatgaaac	agctagagaa	ggaccagaaa	atgtaaggca	atgctgccta	ctatcaaact
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4321	tttttttttt	taaagcagat	ggttgaaaca	cccatgctat	ctgttcttat	ctgcagggaac
4381	tgatgtgtgc	atatttagca	tccctggaaa	tcataataaa	gtttccatta	gaacaaaaga
4441	ataacatttt	ctataacata	tgatagtgtc	tgaaattgag	aatccagttt	ctttccccag
4501	cagtttctgt	cctagcaagt	aagaatggcc	aactcaactt	tcataattta	aaaatctcca
4561	ttaaagttat	aactagtaat	tatgttttca	acactttttg	gtttttttca	ttttgttttg
4621	ctctgaccga	ttcctttata	tttgctcccc	tatttttggc	tttaatttct	aattgcaaag
4681	atgtttacat	caaagcttct	tcacagaatt	taagcaagaa	atattttaat	atagtgaat
4741	ggccactact	ttaagtatac	aatctttaaa	ataagaaagg	gaggctaata	tttttcatgc
4801	tatcaaatta	tcttcacctt	catcctttac	atttttcaac	attttttttt	ctccataaat
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4981	actggaagaa	acacactgga	ttgggtatgt	ctacctggca	gatactcaga	aatgtagttt
5041	gcacttaagc	tgtaatttta	tttgttcttt	ttctgaactc	cattttggat	tttgaatcaa
5101	gcaatatgga	agcaaccagc	aaattaacta	atttaagtac	attttttaaa	aaagagctaa
5161	gataaagact	gtggaaatgc	caaaccaagc	aaattaggaa	ccttgcaacg	gtatccaggg
5221	actatgatga	gaggccagca	cattatcttc	atatgtcacc	tttgctacgc	aaggaaatth
5281	gttcagttcg	tatacttcgt	aagaaggaat	gcgagtaagg	attggcttga	attccatgga
5341	atthtctagta	tgagactatt	tatatgaagt	agaaggtaac	tctttgcaca	taaattggta
5401	taataaaaaag	aaaaacacaa	acattcaaag	cttagggata	ggtccttggg	tcaaaagtth
5461	taaataaatg	tgaaacatct	tctc			

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FIGURE 2

MKPATGLWVWVSLVAAGTVQPSDSQSV CAGTENKLSSLS DLEQQYRALRKYYENCEVVMGN  
 LEITSIEHNRDLSFLRSVREVTGYVLVALNQFRYLPLENLRIIRG TKLYEDRYALAIFLNYR  
 5 KDG NFGLQELGLKNLTEILNGGVYVDQNKFLCYADTIHWQDIVRNPWPSNLTLVSTNGSSGC  
 GRCHKSGTGRCWGPTENHCQTLTRTVCAEQCDGR CYGPYVSDCCHRECAGGCSGPKDTCFA  
 CMNFND SGACVTQCPQTFVYNPTTFQLEHNFNAKYTYGAF CVKKCPHNFVVDSSSCVRACPS  
 SKMEVEENG IKMCKPCTDICPKACDGIGTGSLSAQTVDSSNIDKFINCTKINGNLI FLVTG  
 10 IHGDPYNAIEAIDPEKLN VFTVREITGFLNIQSWPPNMTDFSVFSNLVTIGGRVLYSGLSL  
 LILKQQGITS LQFQSLKEISAGNIYITDNSNLCYHTINWTTLFSTINQRIVIRDNRKAENC  
 TAEGMVCNHL CSSDGCWGPDPQCLSCRRFSRGRICIESCNLYDGEFREFENG SICVECDPQ  
 CEKMEDGLLTCHGPGPDNCTKCSHFKDGPNCVEKCPDGLQGANSFI FKYADPDRECHPCHPN  
 CTQGCNGPTSHDCIYYPWTGHSTLPQHARTPLIAAGVIGGLFILVIVGLTF AVYVRRKSIKK  
 15 KRALRRFLETELVEPLTPSGTAPNQAQLRILKETELKRVKVLGSGAFGT VYKGIWVPEGETV  
 KIPVAIKILNETTGPKANVEFMDEALIMASMDH PHLVRLLGVCLSP TIQLVTQLMPHGCLLE  
 YVHEHKDNIGSQ LLLNWCVQIAKGMMYLEERRLVHRDLAARNVLVKSPNHVKITDFGLARLL  
 EGDEKEYNADGGKMPIKWMAL ECIHYRKFTHQSDVWSYGV TIWELMTFGGKPYDGIPTREIP  
 DLLEKGERLPQPP ICTIDVYVMVMVKCWMIDADSRPKFKELAAEF SRMARDPQRYLVIQGDDR  
 MKLPSPND SKFFQNLLDEEDLEDMMDAEEYLVPQAFNIPPPIYTSRARIDS NRSEIGHSPPP  
 20 AYTPMSGNQFVYRDGGFAAEQGVSVPYRAP TSTIPEAPVAQGATAE I FDDSCCNGTLRKPVA  
 PHVQEDSSTQRY SADPTVFAPERSPRGELDEEGYMT PMRDKPKQEYLN PVEENPFVSRRKNG  
 DLQALDNPEYHNASNGPPKA EDEYVNEPLYLNTFANTLGKAEY LKNNILSMPEKAKKAFDNP  
 DYWNHSLPPRSTLQHPDYLQEYSTKYFYKQNGRIRPIVAENPEYLSEFSLKPGTVLPPPPYR  
 HRNTVV

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### FIGURE 3

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gggaacgtcttctcatgctccgtgatgcatgaggtctgcacaaccactacacgcagaagagcctctc  
cctgtctccgggtaaat

# FIGURE 4

QSV CAGTENKLSSLS DLEQQYRALRKYYENCEVVMGNLEITSIEHNRDLSFLRSVREVTGYV  
LVALNQFRYLPLENLRIIRG TKLYEDRYALAI FLNYRKDGNFGLQELGLKNLTEILNGGVYV  
DQNKFLCYADTIHWQDIVRNPWPSNLTLVSTNGSSGCGRCHK SCTGRCWGPTENHCQTLTRT  
VCAEQCDGRCYGPYVSDCCHRECAGGCSGPKD TDCFACMNFND SGACVTQCPQTFVYNPTTF  
QLEHNFNAKYTYGAF CVKKCPHNFVVDSSSCVRACPSSKMEVEENG IKMCKPCTDICPKACD  
GIGTGSLMSAQTV DSSNIDKFINCTKINGNLI FLVTGIHGDPYNAIEAIDPEKLN VERTVRE  
ITGFLNIQSWPPNMTDFSVFSNLVTIGGRVLYSGLSLLILKQQGITS LQFQSLKEISAGNIY  
ITDNSNLCYYHTINWTTLFSTINQRIVIRDNRKAENCTAEGMVCNHL CSSDGCWGPGPDQCL  
SCRFRSRGRICIESCNLYDGEFREFENG SICVECDPQCEKMEDGLLTCHGPGPDNCTKCSHF  
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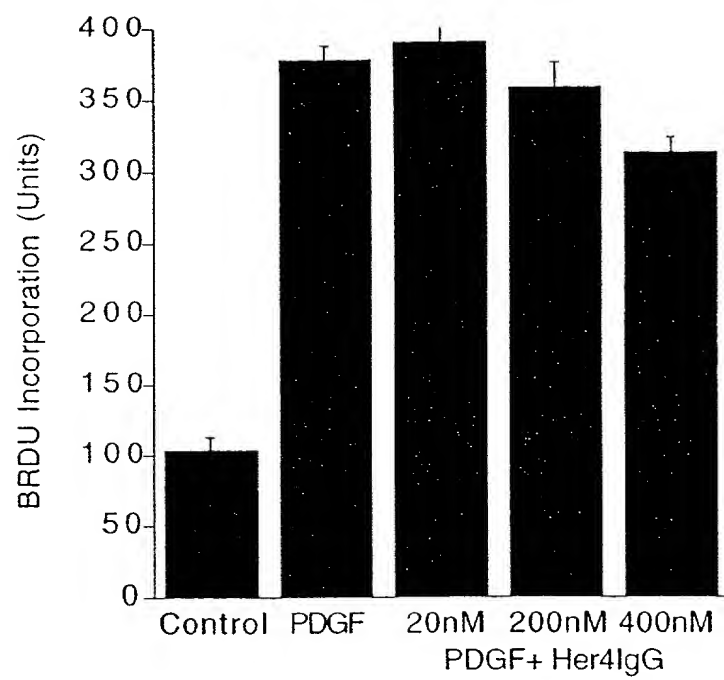


FIG. 5

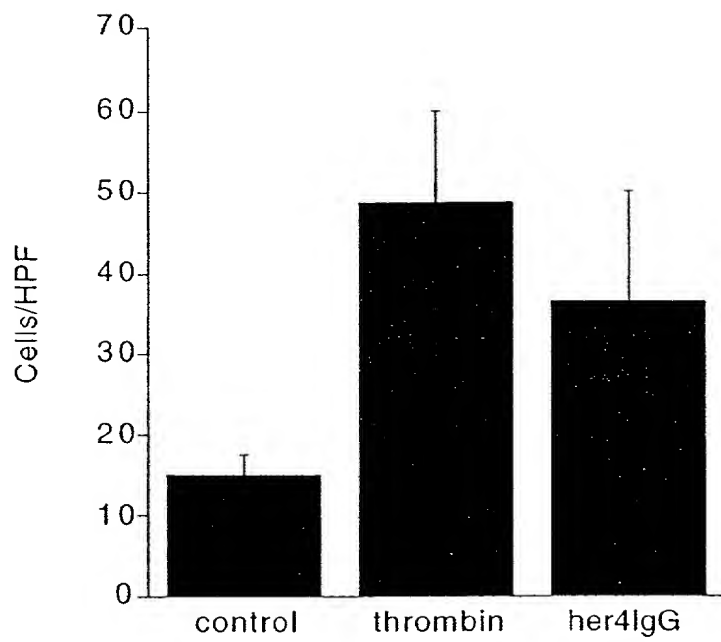


FIG. 6

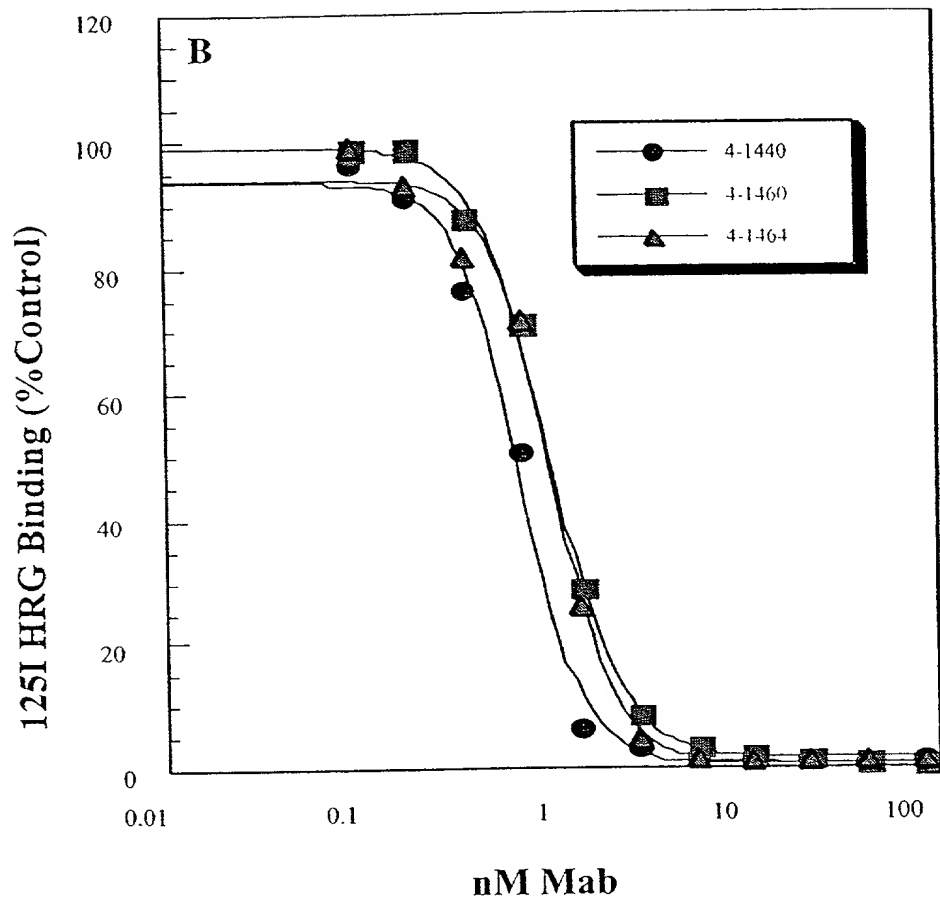


FIG. 7